



0300

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

**SHUJI YAMADA**

Serial No. 09/838,994

Filed: April 20, 2001

For: **SYSTEM AND METHOD OF  
IMPLEMENTING A BUFFER MEMORY  
AND HARD DISK DRIVE WRITE  
CONTROLLER**

§ ATTORNEY DOCKET NO.  
§ **JP920000113US1**  
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§ Examiner: **UNKNOWN**  
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§ Group Art Unit: **2182**  
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**LETTER TO THE OFFICIAL DRAFTSMAN**

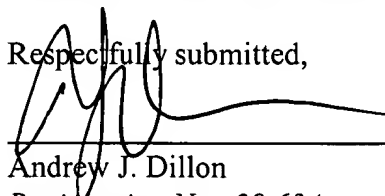
Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Submitted herewith are sixteen (16) sheets of formal drawings for the above-identified application.

CERTIFICATE OF MAILING 37 C.F.R. § 1.8(A)	
I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to Assistant Commissioner of Patents and Trademarks, Washington, D. C. 20231.	
<u>7/10/01</u> Date	<u><i>Shin De Li</i></u> Signature <i>KIM DE (GON)</i>

Respectfully submitted,

  
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ATTORNEY FOR APPLICANT

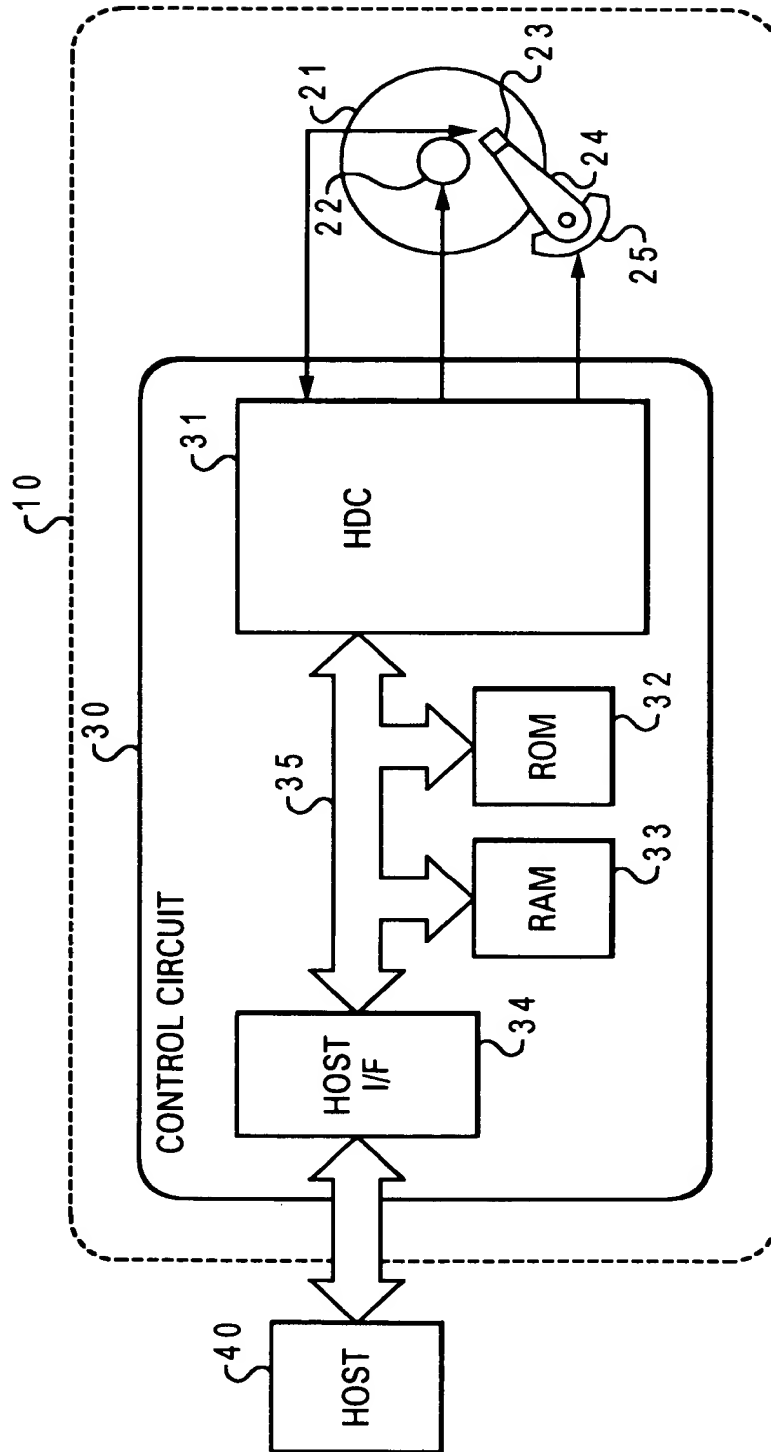


Fig. 1

T00220" 4668E860

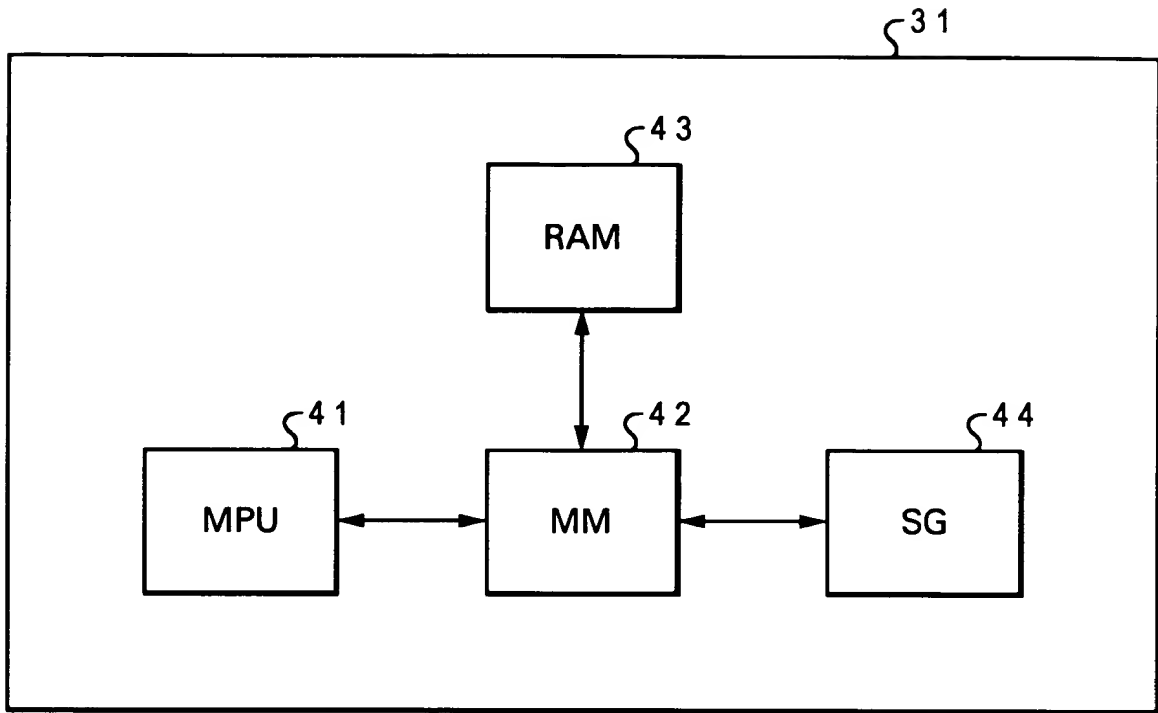


Fig. 2

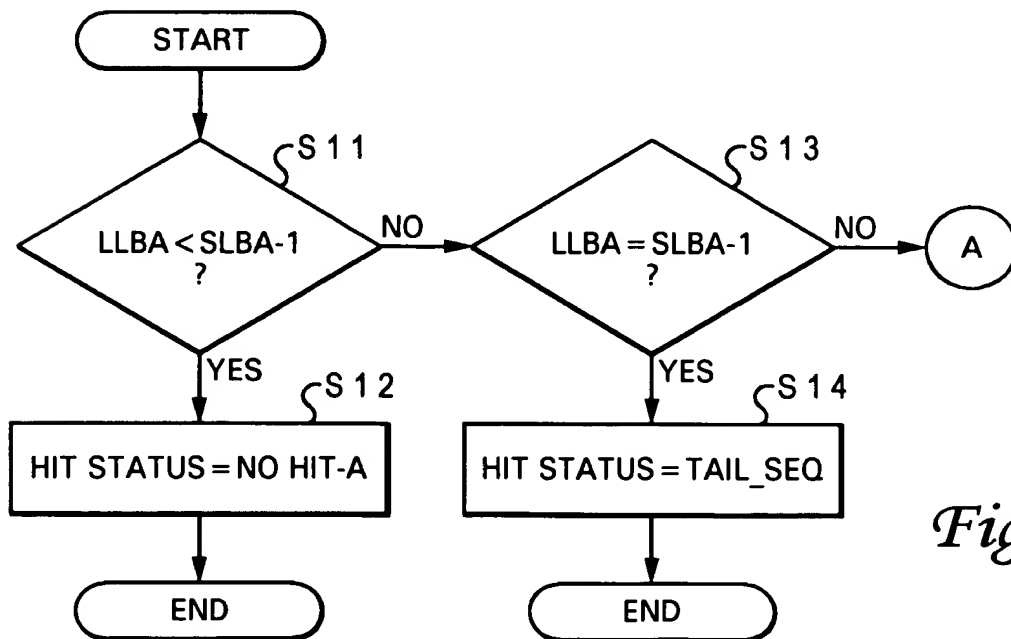


Fig. 4

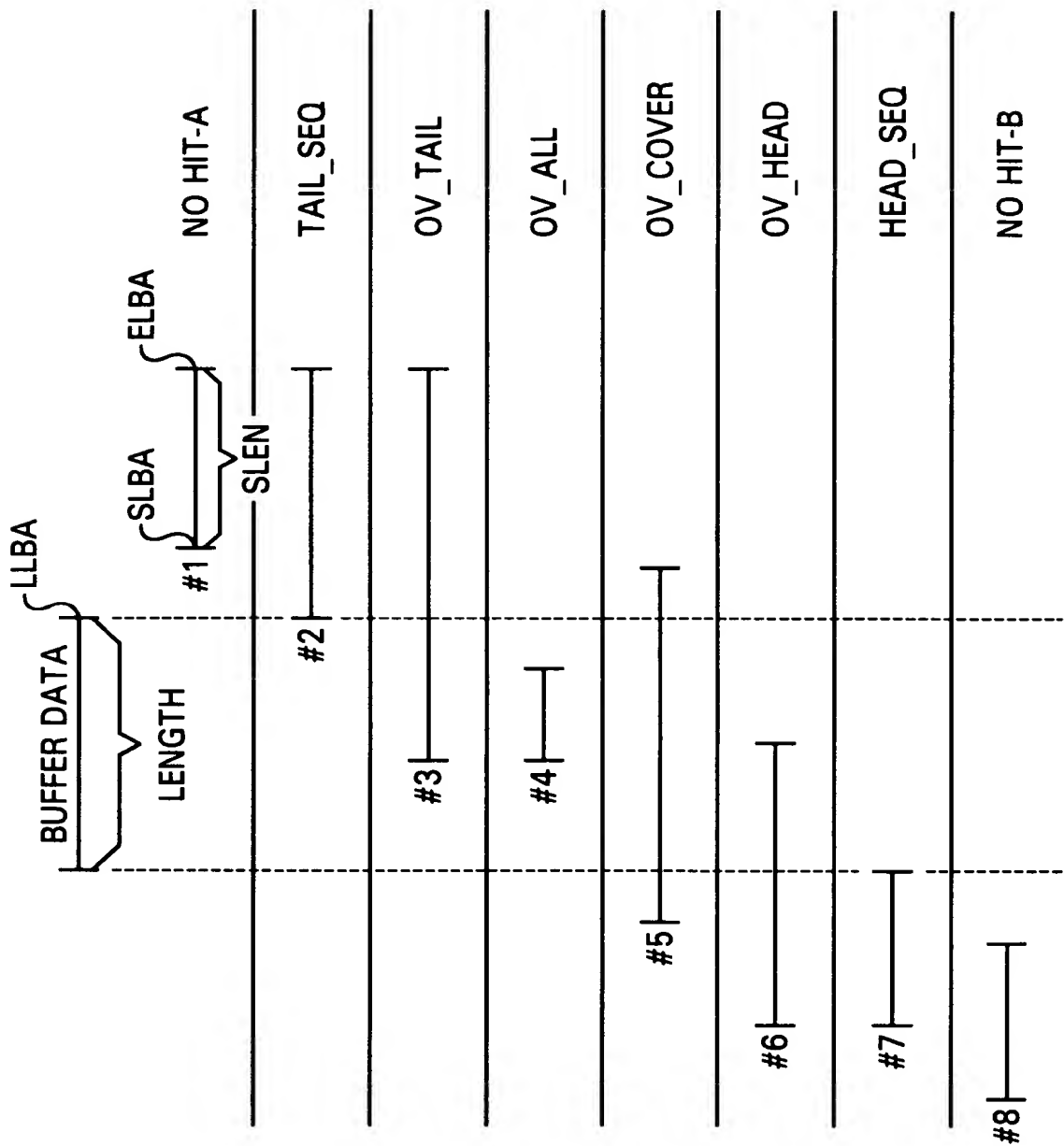


Fig. 3

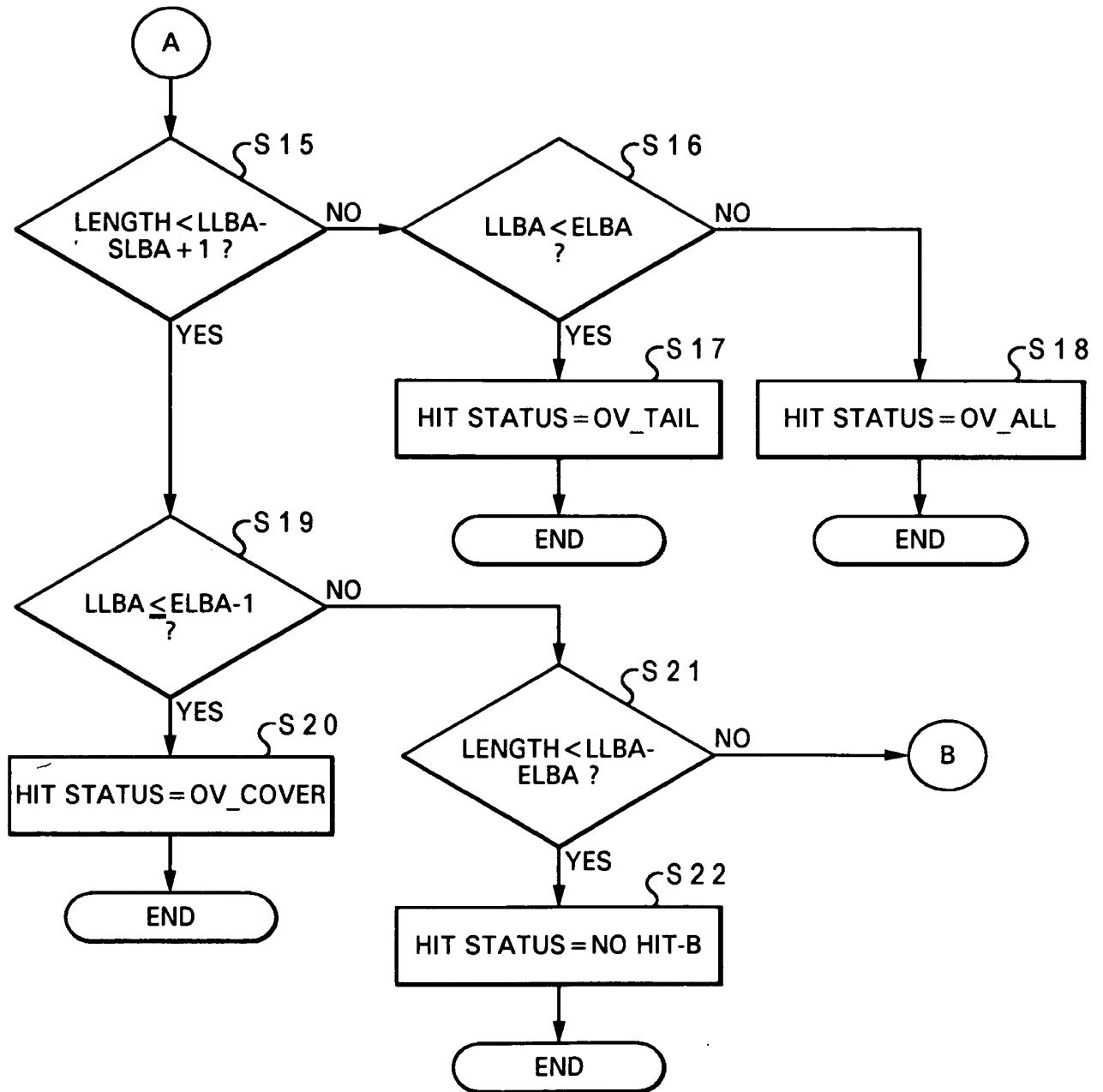


Fig. 5

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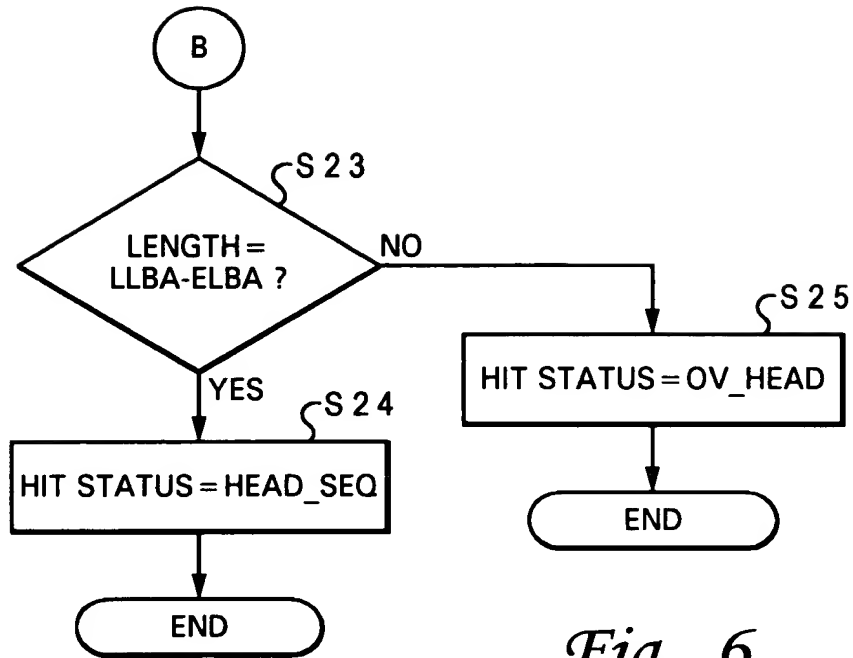


Fig. 6

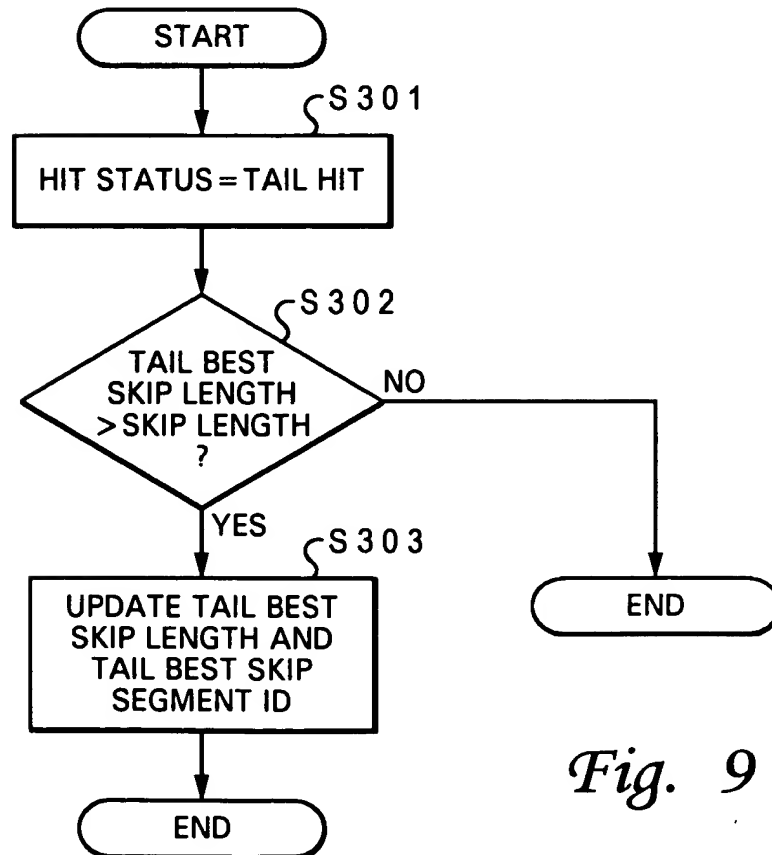


Fig. 9

1002/0" 4668E860

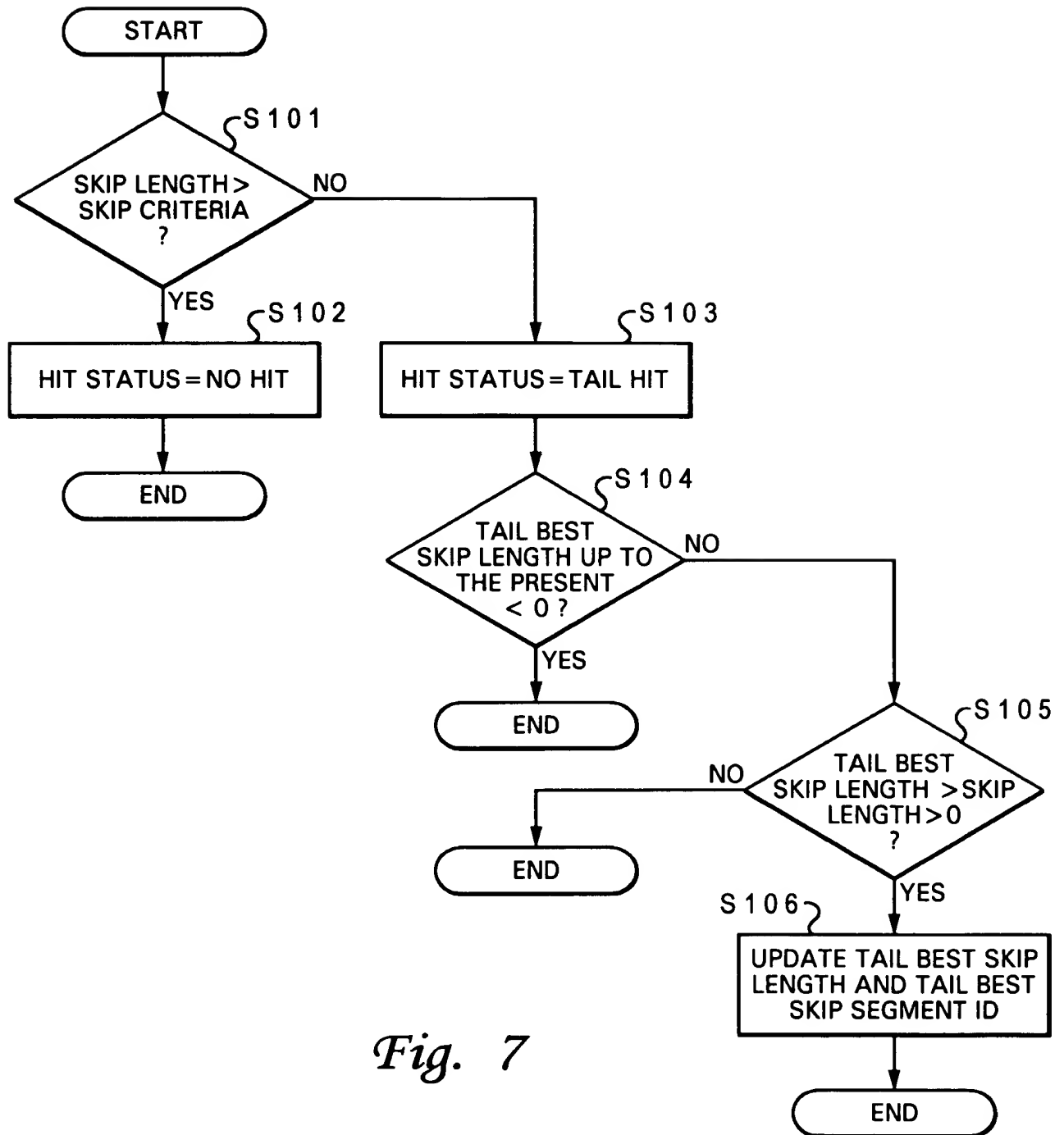


Fig. 7

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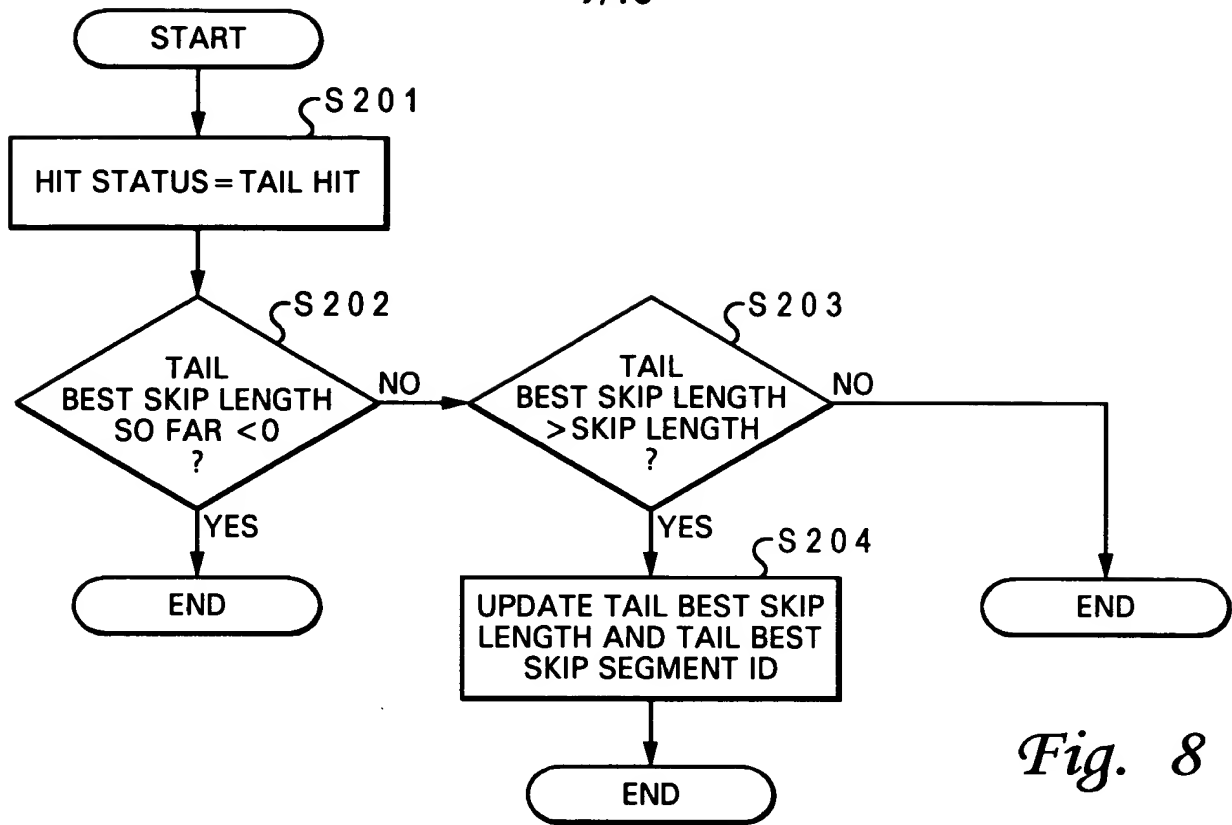
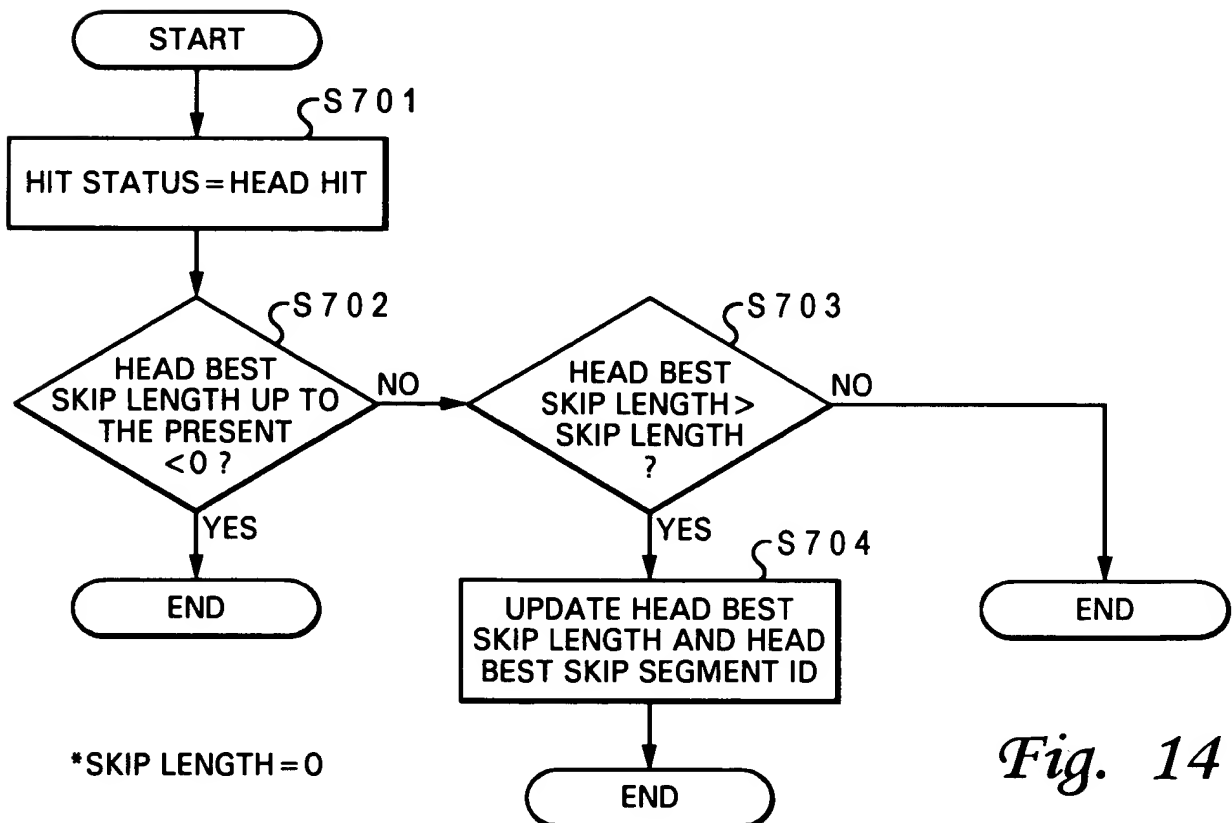


Fig. 8



\*SKIP LENGTH = 0

Fig. 14



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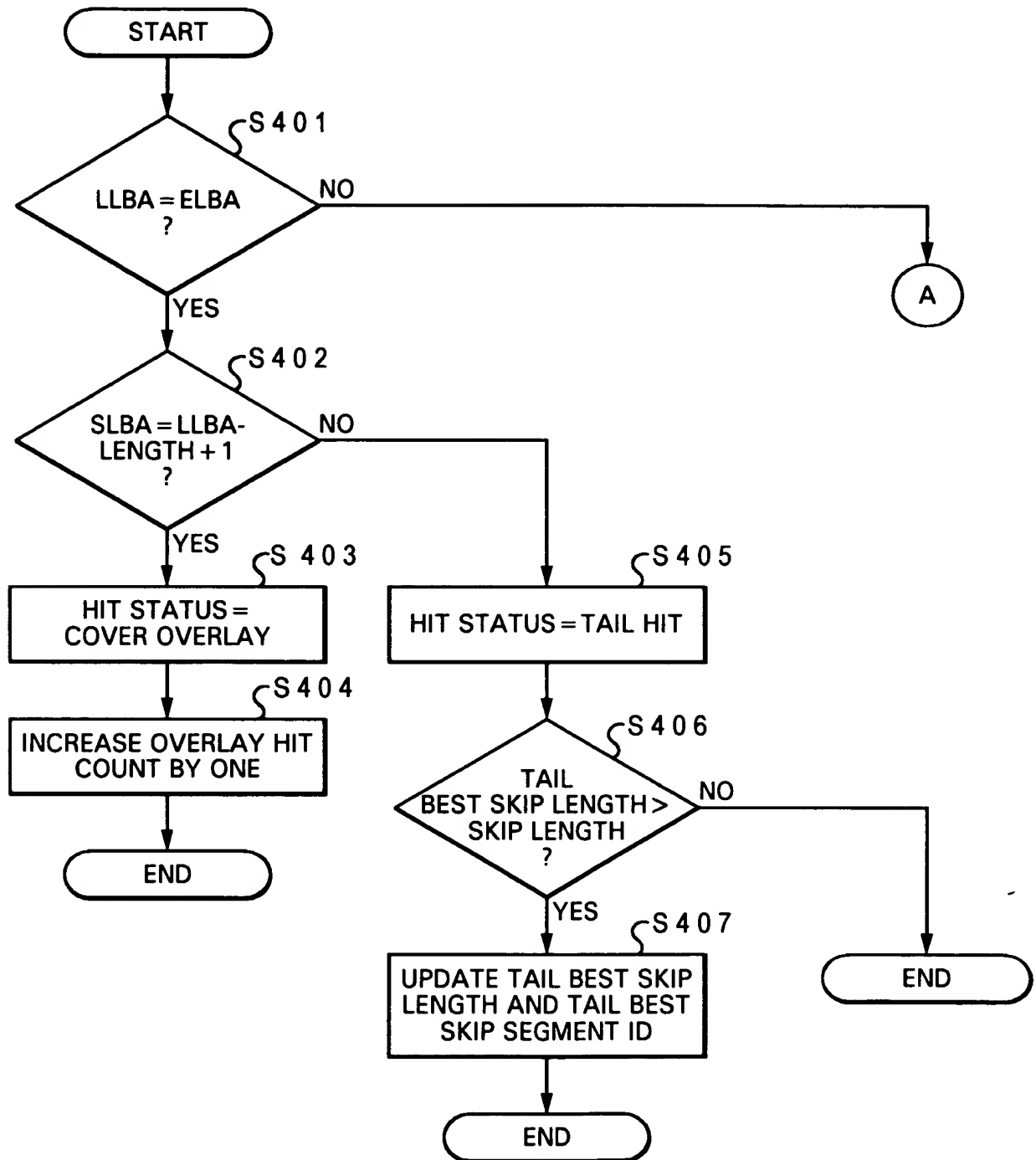
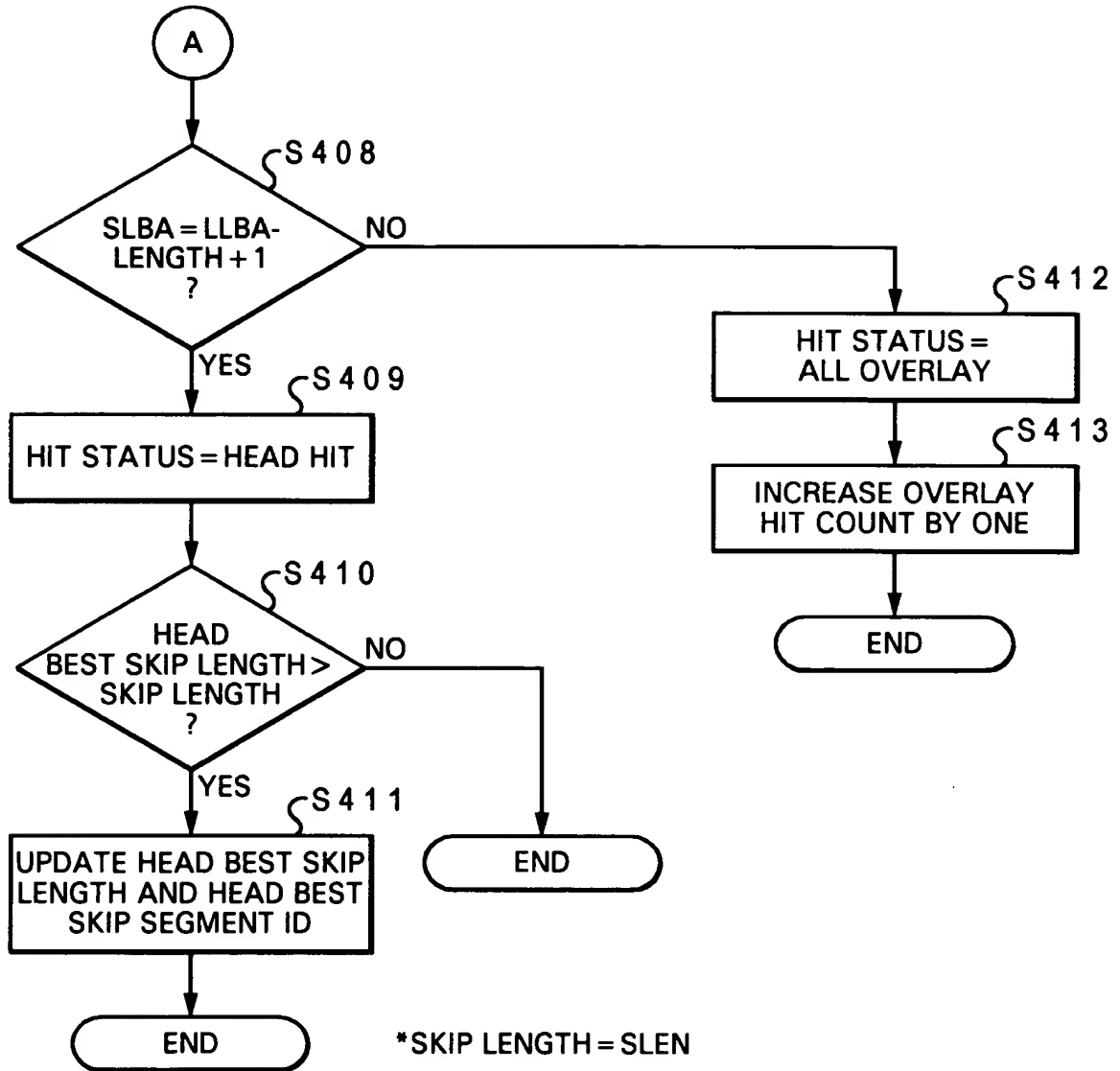
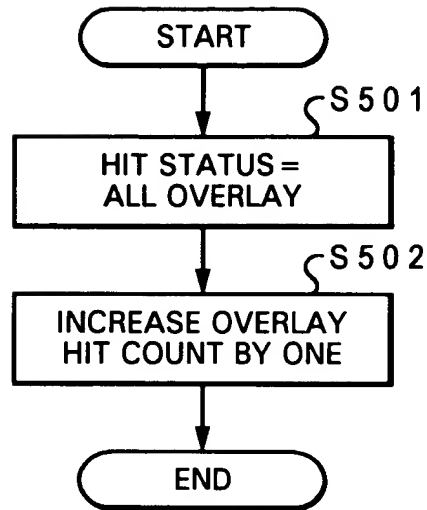


Fig. 10

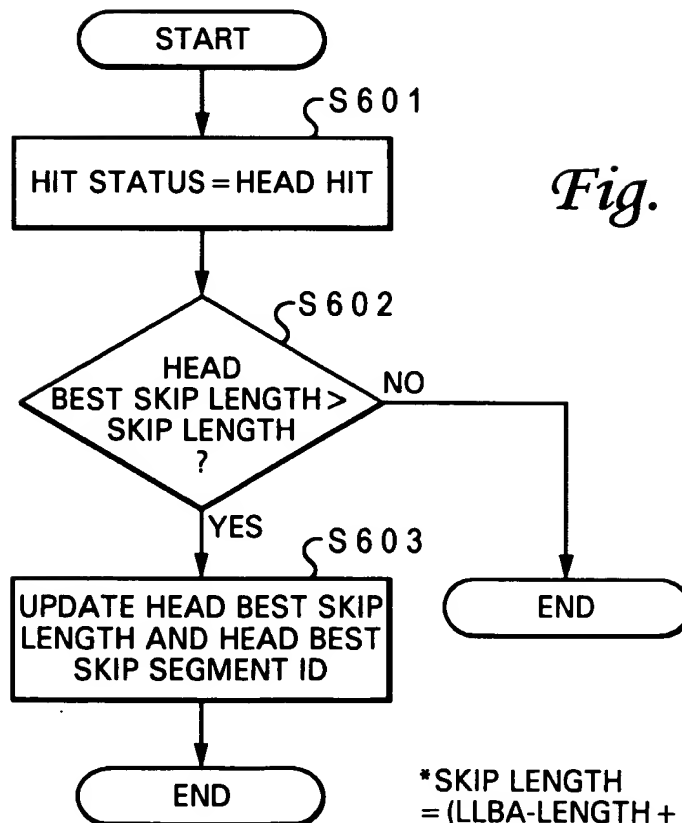


*Fig. 11*

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*Fig. 12*



*Fig. 13*

\*SKIP LENGTH  
= (LLBA-LENGTH + 1)-ELBA

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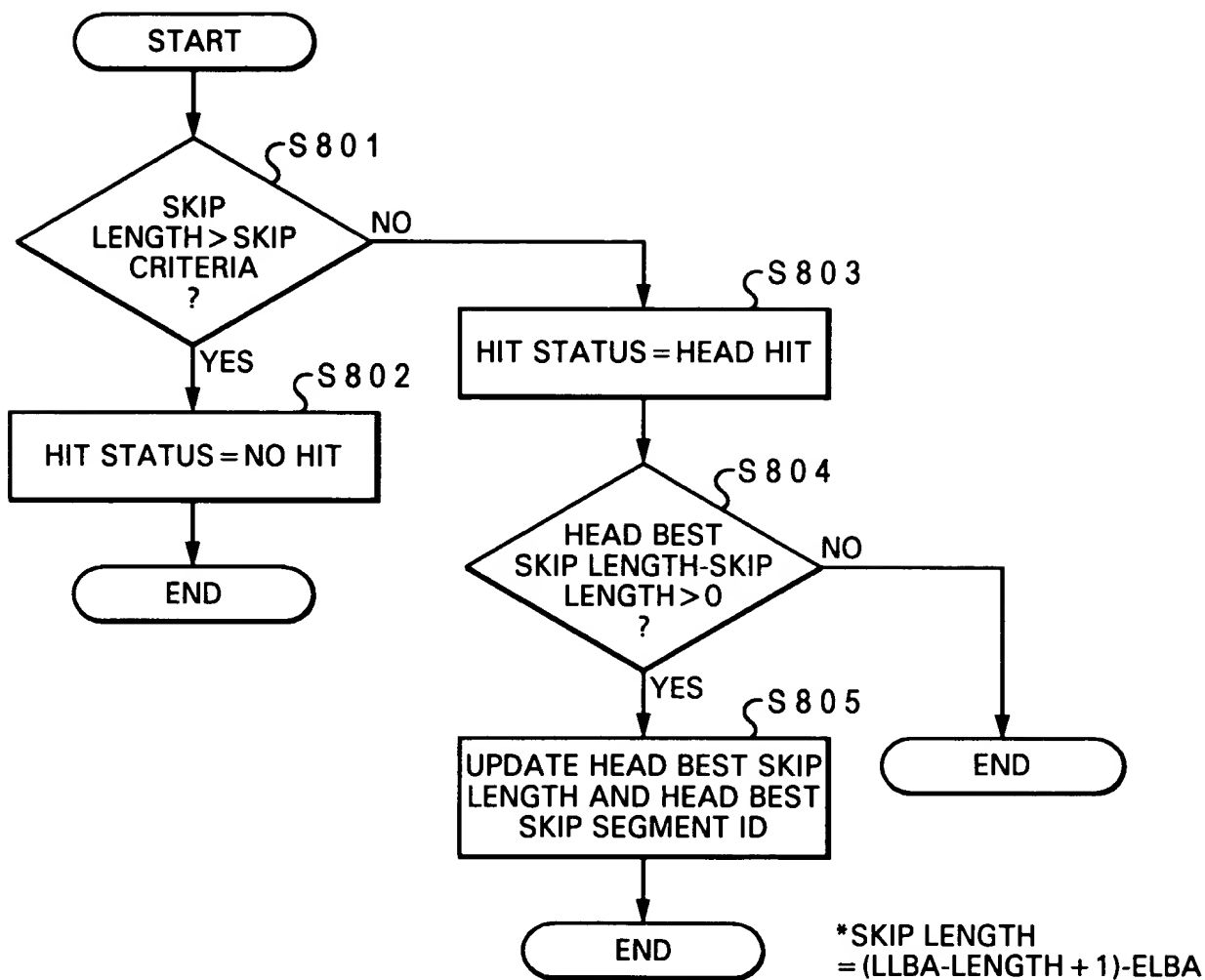


Fig. 15

H/W USE	H/W USE	H/W USE	NO OF HIT
HEAD BEST SKIP LENGTH	HEAD BEST SKIP SEGMENT ID	TAIL BEST SKIP LENGTH	TAIL BEST SKIP SEGMENT ID

Fig. 16

LAST LBA LOW	LAST LBA HIGH	LENGTH	HIT STATUS
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Fig. 17

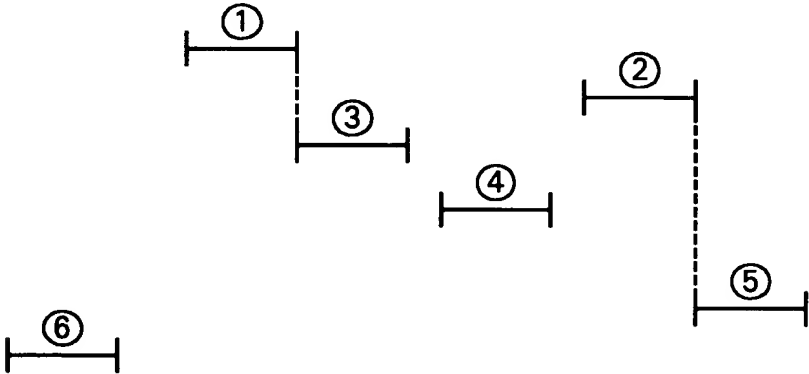


Fig. 18a

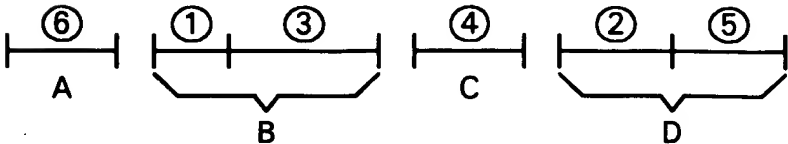
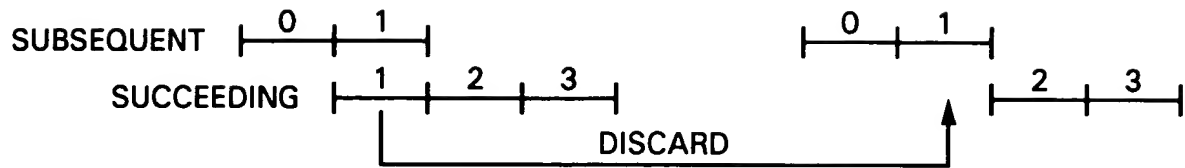


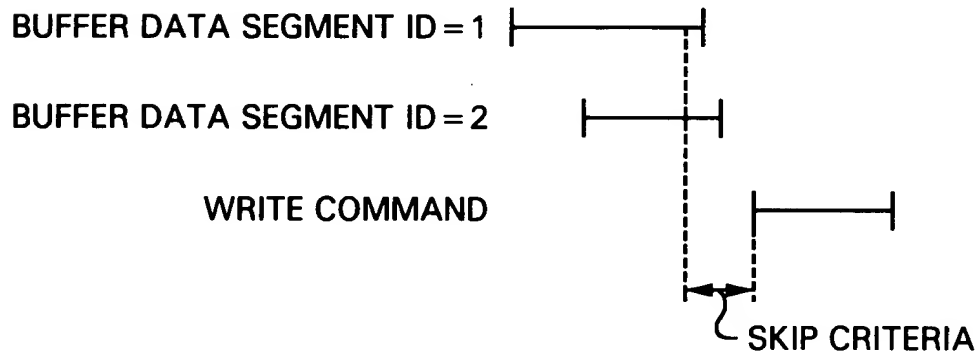
Fig. 18b

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*Fig. 19*



*Fig. 20*

09638994.072001  
100270.4688260

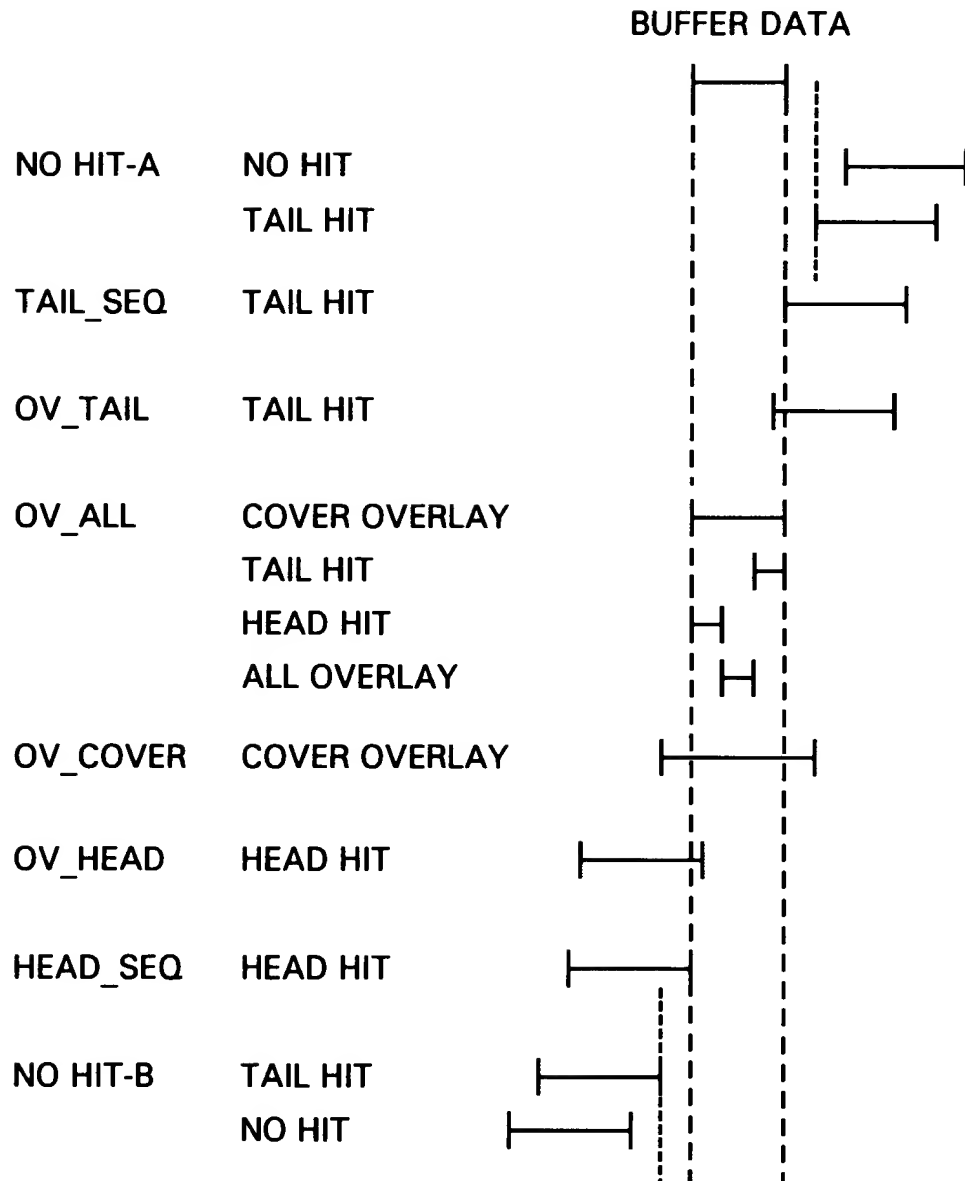


Fig. 21

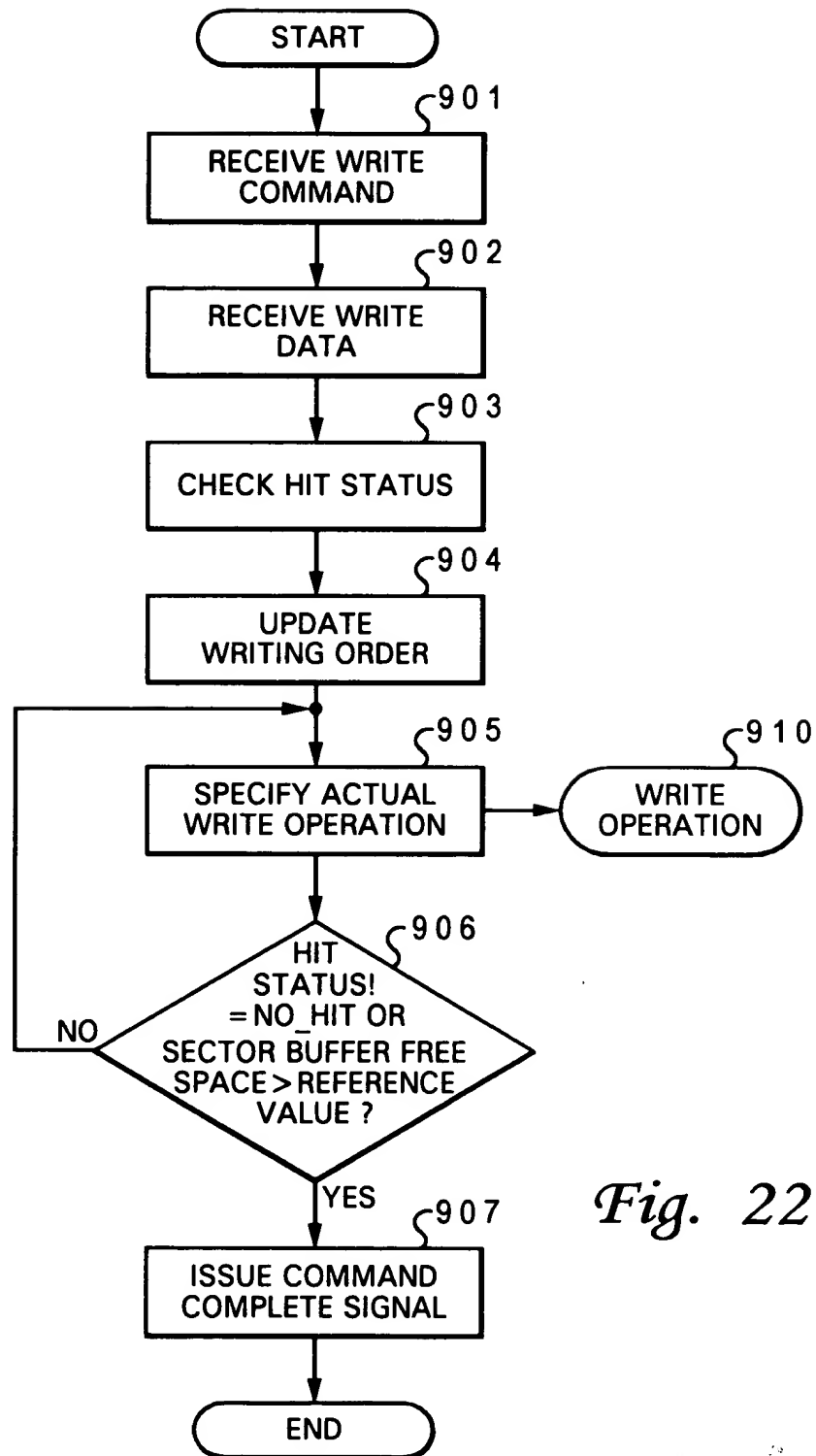
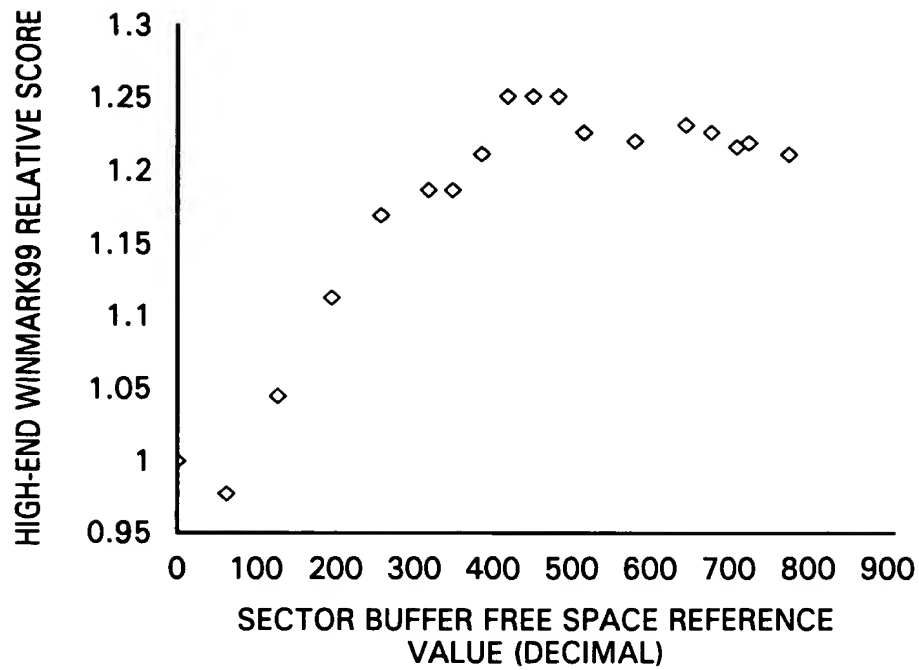


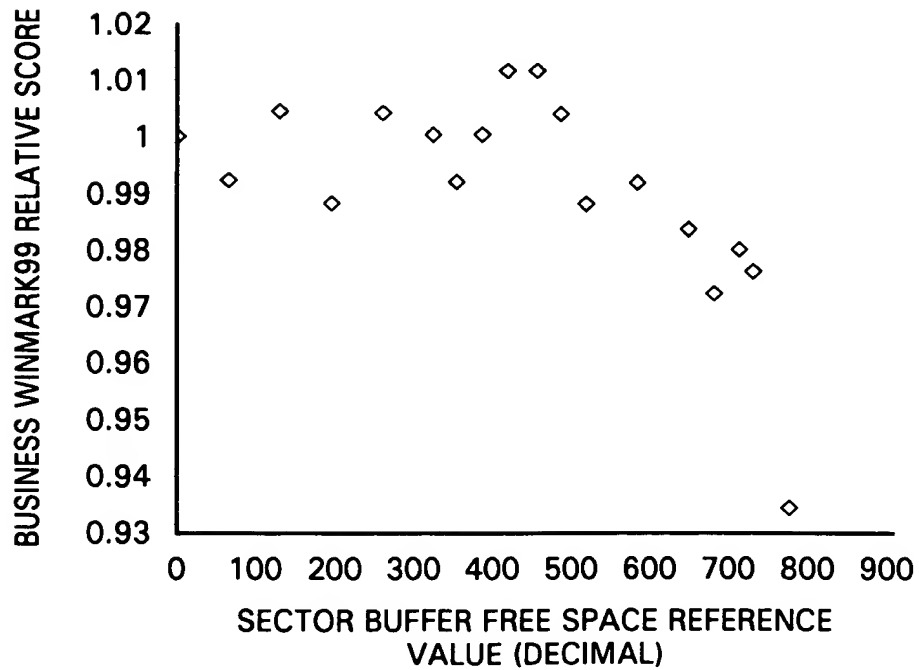
Fig. 22



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*Fig. 23*



*Fig. 24*